Appl. No. 09/981,268
Amendment & Response Accompanying
Request for Continued Examination

Docket No. 14485RRUS01U

In the Claims:

1   1.   (Currently Amended) A method for registering a subscriber unit with a home agent in a

2   cellular system, the method comprising:

3   storing addresses for a plurality of home agents in the subscriber unit, wherein the plurality of

4   home agents includes a primary home agent and a plurality of secondary home agents;

5   attempting registration with the primary home agent;

6   failing to achieve registration with the primary home agent;

7   the subscriber unit selecting a secondary home agent from ~~the~~ the plurality of secondary home agents

8   in an attempt to balance load among the plurality of secondary home agents; and

9   attempting registration with the secondary home agent.

1   2.   (Previously Presented) The method of claim 1, further comprises:

2   the subscriber unit rank ordering the plurality of secondary home agents into at least a first

3   secondary home agent and a second secondary home agent.

1   3.   (Original) The method of claim 2, further comprising:

2   attempting registration with the first secondary home agent;

3   failing to achieve registration with the first secondary home agent; and

4   attempting registration with the second secondary home agent.

1   4.   (Previously Presented) The method of claim 2, wherein the subscriber unit rank ordering

2   the plurality of secondary home agents into at least a first secondary home agent and a second secondary

3   home agent comprises:

4   the subscriber unit generating a random number; and

5   the subscriber unit using the random number to rank order the plurality of secondary home

6   agents.

1   5.   (Previously Presented) The method of claim 2, wherein the subscriber unit rank ordering

2   the plurality of secondary home agents into at least a first secondary home agent and a second secondary

3   home agent comprises:

4   the subscriber unit determining a current date; and

5   the subscriber unit using the current date to rank order the plurality of secondary home agents.

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1   6. (Previously Presented) The method of claim 2, wherein the subscriber unit rank ordering

2 the plurality of secondary home agents into at least a first secondary home agent and a second secondary

3 home agent comprises:

4   the subscriber unit determining a current time; and

5   the subscriber unit using the current time to rank order the plurality of secondary home agents.

1   7. (Original) The method of claim 1, wherein the plurality of addresses for the home agents

2 stored in the subscriber unit is programmed by a service provider prior to delivering the subscriber unit to

3 its subscriber.

1   8. (Original) The method of claim 1, wherein the plurality of addresses for the home agents

2 stored in the subscriber unit is programmed by the service provider using over the air access.

1   9. (Original) The method of claim 1, wherein at least some of the plurality of addresses for

2 the home agents stored in the subscriber unit is reprogrammed by the service provider using over the air

3 access.

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1   10.   (Previously Presented) A method for registering a subscriber unit with a home agent in a

2 cellular system, the method comprising:

3   storing addresses for a plurality of home agents in the subscriber unit, wherein the plurality of

4 home agents includes a primary home agent and a plurality of secondary home agents;

5   attempting registration with the primary home agent;

6   failing to achieve registration with the primary home agent;

7   the subscriber unit rank ordering the plurality of secondary home agents into at least a first

8 secondary home agent and a second secondary home agent in an attempt to balance load among the

9 plurality of secondary home agents; and

10   attempting registration with the first secondary home agent.

1   11.   (Original) The method of claim 10, further comprising:

2   failing to achieve registration with the first secondary home agent; and

3   attempting registration with the second secondary home agent

1   12.   (Previously Presented) The method of claim 10, wherein the subscriber unit rank ordering

2 the plurality of secondary home agents into at least a first secondary home agent and a second secondary

3 home agent comprises:

4   the subscriber unit generating a random number; and

5   the subscriber unit using the random number to rank order the plurality of secondary home

6 agents.

1   13.   (Previously Presented) The method of claim 10, wherein the subscriber unit rank ordering

2 the plurality of secondary home agents into at least a first secondary home agent and a second secondary

3 home agent comprises:

4   the subscriber unit determining a current date; and

5   the subscriber unit using the current date to rank order the plurality of secondary home agents.

1   14.   (Previously Presented) The method of claim 10, wherein the subscriber unit rank ordering

2 the plurality of secondary home agents into at least a first secondary home agent and a second secondary

3 home agent comprises:

4   the subscriber unit determining a current time; and

5   the subscriber unit using the current time to rank order the plurality of secondary home agents.

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1   15.   (Currently Amended) A subscriber unit that operates within a cellular system, the

2 subscriber unit comprising:

3   an antenna;

4   a radio frequency unit coupled to the antenna; and

5   at least one digital processor coupled to the radio frequency unit that executes software

6 instructions causing the subscriber unit to:

7   store addresses for a plurality of home agents in the subscriber unit, wherein the plurality of home

8 agents includes a primary home agent and a plurality of secondary home agents;

9   attempt registration with the primary home agent;

10   failing to achieve registration with the primary home agent;

11   select a secondary home agent from the ~~the~~ plurality of secondary home agents in an attempt to

12 balance load among the plurality of secondary home agents; and

13   attempt registration with the secondary home agent.

1   16.   (Previously Presented) The subscriber unit of claim 15, wherein execution of the software

2 instructions further causes the subscriber unit to:

3   rank order the plurality of secondary home agents into at least a first secondary home agent and a

4 second secondary home agent.

1   17.   (Original) The subscriber unit of claim 16, wherein execution of the software instructions

2 further causes the subscriber unit to:

3   attempt registration with the first secondary home agent;

4   fail to achieve registration with the first secondary home agent; and

5   attempt registration with the second secondary home agent.

1   18.   (Original) The subscriber unit of claim 17, wherein in rank ordering the plurality of

2 secondary home agents into at least a first secondary home agent and a second secondary home agent,

3 execution of the software instructions further causes the subscriber unit to:

4   generate a random number; and

5   use the random number to rank order the plurality of secondary home agents.

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1   19.   (Original) The subscriber unit of claim 17, wherein in rank ordering the plurality of

2   secondary home agents into at least a first secondary home agent and a second secondary home agent,

3   execution of the software instructions further causes the subscriber unit to:

4   determine a current date; and

5   use the current date to rank order the plurality of secondary home agents.

1   20.   (Original) The subscriber unit of claim 17, wherein in rank ordering the plurality of

2   secondary home agents into at least a first secondary home agent and a second secondary home agent,

3   execution of the software instructions further causes the subscriber unit to:

4   determine a current time; and

5   use the current time to rank order the plurality of secondary home agents.

1   21.   (Original) The subscriber unit of claim 15, wherein the plurality of addresses for the

2   home agents stored in the subscriber unit is programmed by a service provider prior to delivering the

3   subscriber unit to its subscriber.

1   22.   (Original) The subscriber unit of claim 15, wherein the plurality of addresses for the

2   home agents stored in the subscriber unit is programmed by the service provider using over the air access.

1   23.   (Original) The subscriber unit of claim 15, wherein at least some of the plurality of

2   addresses for the home agents stored in the subscriber unit is reprogrammed by the service provider using

3   over the air access.